

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-17 (cancelled)

1

~~16~~. (previously presented) A fiber reinforced core panel adapted for use with a hardenable resin and having opposite core surfaces adapted to be attached to corresponding skins, said core panel comprising a plurality of longitudinally spaced elongated strips of low density cellular material and defining spaces between opposing ends of said strips, at least one layer of fibrous rovings continuously and helically surrounding each of said strips along the length thereof and the spaces therebetween, said elongated strips being connected by said helically surrounding rovings and folded to form a unitized said core panel with said rovings extending over said core surfaces and said ends of said strips and adapted to be moved to a molding process where the resin is hardened.

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~~16~~. (previously presented) A core panel as defined in claim ~~16~~ and including longitudinally spaced internal transverse reinforcing members extending laterally within said strips and between said core surfaces.

20. (cancelled)

21. (cancelled)

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~~22~~. (previously presented) A fiber reinforced core panel of annular configuration and adapted for use with a hardenable resin and having opposite core surfaces adapted to be attached to corresponding skins, said core panel comprising a continuous elongated strip of low density cellular material, at least one layer of fibrous rovings continuously and helically surrounding said strip along the length thereof, said strip extending in helical path to form said annular configuration, adjacent portions of said elongated strip and said helically surrounding rovings being connected together to form a unitized said core panel with said rovings extending over said core surfaces for receiving the skins and adapted to be moved as a preform unit to a molding process where the resin is hardened.

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~~23~~. (previously presented) A core panel as defined in claim ~~22~~ and including generally parallel continuous fibrous rovings extending longitudinally along said strip adjacent a layer of helically surrounding rovings.

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~~24~~. (previously presented) A core panel as defined in claim ~~22~~ and including longitudinally spaced internal transverse reinforcing members extending laterally within said strip and to said core surfaces.

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~~25~~. (previously presented) A core panel as defined in claim ~~22~~ and including at least one internal strip of fibrous material extending longitudinally within said strip generally parallel to said opposite core surfaces.

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~~26~~. (previously presented) A core panel as defined in claim ~~22~~ and including an internal resin distribution groove extending within said strip and spaced inwardly from said opposite core surfaces and intersecting said rovings between adjacent portions of said strip for supplying resin to said core surfaces through said rovings.

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~~27.~~ (previously presented) A core panel as defined in claim ~~22~~ wherein said rovings are porous for receiving a hardenable adhesive resin.

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~~28.~~ (previously presented) A core panel as defined in claim ~~22~~ wherein said rovings include a heat activated resin.

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~~29.~~ (previously presented) A core panel as defined in claim ~~28~~ wherein said layer of helically surrounding rovings includes additional porous rovings adapted for bonding to adhesive reinforced scrim.

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~~30.~~ (previously presented) A core panel as defined in claim ~~22~~ and including a second said core panel overlying and adjacent the first said core panel.

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~~31.~~ (previously presented) A core panel as defined in claim ~~22~~ and including a plurality of rows of stitched rovings forming reinforcing struts extending between said opposite core surfaces.

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~~32.~~ (previously presented) A core panel as defined in claim ~~22~~ wherein said strip of cellular material has generally a triangular cross-sectional configuration.

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~~36.~~ (previously presented) A core panel as defined in claim ~~22~~ wherein said strip of material has generally a trapezoidal cross-sectional configuration.

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~~34.~~ (previously presented) A core panel as defined in claim ~~22~~ and including a resin barrier film adjacent at least one of said core surfaces.

35-54 (cancelled)

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~~55.~~ (previously presented) A core panel as defined in claim ~~72~~ wherein said reinforcing members comprise planar webs.

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~~56.~~ (previously presented) A core panel as defined in claim ~~72~~ wherein said reinforcing members comprise fibrous rovings.

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~~57.~~ (previously presented) A core panel as defined in claim ~~72~~ and including generally parallel continuous fibrous rovings extending longitudinally along said strip adjacent one of said layers of continuous fibrous rovings helically wound around said strip.

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~~58.~~ (previously presented) A core panel as defined in claim ~~57~~ wherein said longitudinally extending rovings are disposed adjacent longitudinally extending corners of said strip.

59. (cancelled)

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~~60.~~ (previously presented) A core panel as defined in claim ~~73~~ and including a second layer of continuous fibrous rovings with all of said rovings helically wound around said strip and extending continuously along the entire length of said strip around the entire row of said blocks in said strip, and said second layer of rovings extending helically and in opposite directions and crossing said rovings in said first set.

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~~61.~~ (previously presented) A core panel as defined in claim ~~73~~ and including generally parallel continuous fibrous rovings extending perpendicular to opposite surfaces of said core and adjacent said first layer of said rovings helically wound around said blocks.

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~~82~~. (previously presented) A core panel as described in claim ~~73~~ and including additional fibrous rovings extending adjacent opposite surfaces of said core and parallel to said strip, and said additional fibrous rovings projecting into said blocks by a depth greater than a width of said additional fibrous rovings.

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~~62~~. (previously presented) A core panel as defined in claim ~~73~~ and including generally parallel continuous fibrous rovings extending longitudinally along said strip adjacent said first layer of continuous fibrous rovings.

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~~64~~. (previously presented) A core panel as defined in claim ~~63~~ wherein said rovings extending longitudinally along said strip are disposed adjacent corners of said strip.

65-71 (cancelled)

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~~72~~. (previously presented) A one-piece fiber reinforced core panel adapted for use with a hardenable resin and to be inserted into molding apparatus for receiving skins, said core panel comprising an elongated continuous strip including a row of longitudinally arranged and adhesive connected blocks of low density rigid material, a first layer of continuous fibrous rovings helically wound around said row of said adhesive connected blocks in said strip with all of said rovings extending continuously along the entire length of said strip around all of said blocks in said row, a second layer of continuous fibrous rovings helically wound around said strip with all of said rovings extending continuously along the entire length of said strip around all of said blocks in said row, said rovings in said second layer extending helically in an opposite direction and crossing said rovings in said first layer, reinforcing members separate from said continuous fibrous rovings and extending between said adhesive connected blocks, and said core panel adapted to be moved to the molding apparatus where the skins are added and the resin is hardened.

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~~76~~. (previously presented) A one-piece fiber reinforced core panel adapted for use with a hardenable resin and to be inserted into molding apparatus for receiving skins, said core panel comprising an elongated strip including a row of longitudinally arranged and adhesive connected blocks of low density cellular material, continuous fibrous rovings helically wound around each of said blocks and extending between said adhesive connected blocks in said row, a first layer of continuous fibrous rovings separate from said continuous fibrous rovings extending between said adhesive connected blocks and helically wound around said row of adhesive connected blocks in said strip with all of said rovings in said first layer extending continuously along the entire length of said strip around all of said blocks in said row, and said core panel adapted to be moved to the molding apparatus where the skins are added and the resin is hardened.

74. (previously presented) A one-piece fiber reinforced core panel adapted for use with a hardenable resin and to be inserted into molding apparatus for receiving skins, said core panel comprising a plurality of elongated parallel continuous strips of low density cellular material, each of said strips having opposite faces adhesive connected to corresponding fibrous facer sheets extending perpendicular between opposite side surfaces of said core panel, a first layer of continuous fibrous rovings helically wound around at least two adjacent parallel said strips with all of said rovings extending continuously along the entire length of said strips, a second layer of continuous fibrous rovings helically wound around said at least two adjacent parallel said strips with all of said rovings extending continuously along the entire length of said two parallel strips, said rovings in said second layer crossing said rovings in said first layer, and said elongated strips and said helically wound around rovings forming an elongated unitized said core panel with said rovings extending over said opposite side surfaces and adapted to be moved as a preform unit to the molding apparatus where the skins are added and the resin is hardened.

75-78. (cancelled)

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~~78.~~ (previously presented) A one-piece fiber reinforced core panel adapted for use with a hardenable resin and to be inserted into molding apparatus for receiving skins, said core panel comprising a plurality of elongated adjacent continuous strips each including a row of longitudinally arranged and adhesive connected blocks of low density rigid material, a first layer of continuous fibrous rovings helically wound around each of said strips with all of said rovings extending continuously along all of said adhesive connected blocks in the entire length of said strip, a second layer of continuous fibrous rovings helically wound around each of said strips with all of said rovings extending continuously along all of said blocks in the entire length of said strip, said rovings in said second layer crossing said rovings in said first layer, separate crossing rovings extending between said adhesive connected blocks in each said strip, said elongated strips and said helically wound around rovings adhesive connected to form a unitized said core panel with said rovings extending over opposite side surfaces of said core panel, and said unitized core panel adapted to be moved as a preform unit to the molding apparatus where the skins are added and the resin is hardened.